executing digital control processing in the condition that said first internal logic description of said field programmable gate array is rewritten to a second internal logic description in an interval of non-active pixel with the exception of said interval of active pixel; and

executing digital image processing again in the condition that said second internal description is rewritten to said first internal logic description.

Please add the following new claims:

11. (New) An image processing method for altering an internal logic description prescribing operation during an operating state comprising:

executing digital image processing of an interval of active pixel in the condition that a first internal logic description is written in a field programmable gate array;

executing digital control processing in the condition that said first internal logic description of said field programmable gate array is rewritten to a second internal logic description in an interval of non-active pixel with the exception of said interval of active pixel; and

executing digital image processing again in the condition that said second internal description is rewritten to said first internal logic description.

12. (New) An image processing method as claimed in claim 11, further comprising:

executing color signal processing of an image picked up by an image pick-up element during said interval of active pixel; and

executing said digital control processing in relation to said color signal processing during said interval of non-active pixel.

13. (New) An image processing method as claimed in claim 11, wherein said interval of non-active pixel is a vertical blanking interval.

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14. (New) An image processing method as claimed in claim 11, wherein said interval of non-active pixel is a horizontal blanking interval.

15. (New) An image processing method as claimed in claim 11, further comprising:

executing image compression processing in said interval of active pixel; and

executing digital control processing in relation to said image compression processing in said interval of non-active pixel.

16. (New) An image processing method as claimed in claim 11, wherein said digital control processing is code quantity control processing.

17. (New) An image processing method as claimed in claim 12, wherein said interval of non-active pixel is an interval of optical black pixel of said image pick-up element.

18. (New) An image processing method as claimed in claim 12, wherein said digital control processing is an automatic white balance control processing.

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19. (New) An image processing method as claimed in claim 12, wherein said digital control processing is an auto-focus control processing.

20. (New) An image processing method as claimed in claim 12, wherein said digital control processing is an automatic lightness control processing.